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AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-21. (Canceled)

- 22. (Withdrawn) A method for producing denatured lipoprotein, comprising: freezing a solution containing lipoprotein to produce a frozen solution; and melting the frozen solution to produce a solution containing denatured lipoprotein.
- 23. (Withdrawn) The method according to claim 22, wherein said denatured lipoprotein reacts with a DLH3 antibody which is yielded by hybridoma cell line, mouse-mouse hybridoma FOH1a/DLD3 (Deposit No. FERM BP-7171).
- 24. (Withdrawn) The method according to claim 22, wherein the lipoprotein is at least one selected from the group consisting of chyromicron, VLDL, LDL, Lp(a), HDL2 and HDL3.
- 25. (Withdrawn) A denatured lipoprotein produced by the method according to claim 22.
- 26. (Withdrawn) The denatured lipoprotein according to claim 25, wherein said denatured lipoprotein reacts with a DLH3 antibody which is yielded by hybridoma cell line, mouse-mouse hybridoma FOH1a/DLD3 (Deposit No. FERM BP-7171).

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27. (Previously Presented) A method for producing a stabilized denatured lipoprotein standard, comprising:

freezing a first solution containing lipoprotein to produce a frozen solution of lipoprotein;

melting the frozen solution to produce a melted solution of denatured lipoprotein; mixing a stabilizing agent with the melted solution to produce a second solution: and

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freeze-drying the second solution to produce a powder containing stabilized denatured lipoprotein.

28. (Canceled)

- 29. (Previously Presented) The method according to claim 27, wherein the lipoprotein is at least one selected from the group consisting of chyromicron, VLDL, LDL, Lp(a), HDL2 and HDL3.
- 30. (Withdrawn) A stabilized denatured lipoprotein produced by the method according to claim 27.
- 31. (Withdrawn) The stabilized denatured lipoprotein according to claim 30. wherein said stabilized denatured lipoprotein reacts with a DLH3 antibody which is yielded by hybridoma cell line, mouse-mouse hybridoma FOH1a/DLD3 (Deposit No. FERM BP-7171).

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32. (Withdrawn) A method for producing stabilized denatured lipoprotein, comprising:

freezing a solution containing lipoprotein to produce a frozen solution; melting the frozen solution to produce a solution containing denatured lipoprotein;

adding a stabilizer to the solution; and freeze-drying the solution.

- 33. (Withdrawn) The method according to claim 32, wherein said denatured lipoprotein reacts with a DLH3 antibody which is yielded by hybridoma cell line, mousemouse hybridoma FOH1a/DLD3 (Deposit No. FERM BP-7171).
- 34. (Withdrawn) The method according to claim 32, wherein the lipoprotein is at least one selected from the group consisting of chyromicron, VLDL, LDL, Lp(a), HDL2 and HDL3.
- 35. (Withdrawn) A stabilized denatured lipoprotein produced by the method according to claim 32.
- 36. (Withdrawn) The stabilized denatured lipoprotein according to claim 35, wherein said denatured lipoprotein reacts with a DLH3 antibody which is yielded by hybridoma cell line, mouse-mouse hybridoma FOH1a/DLD3 (Deposit No. FERM BP-7171).

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37. (Withdrawn) A method for determining denatured lipoprotein in a sample, comprising:

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selecting the denatured lipoprotein according to claim 25: reacting the sample with an antibody which binds to the denatured lipoprotein: measuring the reactivity of the antibody with the sample; and comparing the reactivity with a calibration curve previously formed from the denatured lipoprotein.

- 38. (Withdrawn) The method according to claim 37, wherein said determination is immunological determination.
- 39. (Withdrawn) The method according to claim 38, wherein said immunological determination is selected from among radio immunoassay, enzyme immunoassay, fluoroimmunoassay, luminescent immunoassay, agglutination immunoassay, immunonephelometry, and nephelometric immunoassay.
- 40. (Withdrawn) The method according to claim 39, wherein said method for immunological determination is a competitive method or a sandwich method.
- 41. (Withdrawn) The method according to claim 37, wherein said denatured lipoprotein is a standard substance for determining denatured lipoprotein in blood or an experimental reagent for investigating the physiological role or the physiological activity of denatured lipoprotein.

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42. (Withdrawn) A method for determining denatured lipoprotein in a sample, comprising:

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selecting the stabilized denatured lipoprotein according to claim 30;
reacting the sample with an antibody which binds to the denatured lipoprotein;
measuring the reactivity of the antibody with the sample; and
comparing the reactivity with a calibration curve previously formed from the
denatured lipoprotein.

- 43. (Withdrawn) The method according to claim 42, wherein said determination is immunological determination.
- 44. (Withdrawn) The method according to claim 43, wherein said immunological determination is selected from among radio immunoassay, enzyme immunoassay, fluoroimmunoassay, luminescent immunoassay, agglutination immunoassay, immunonephelometry, and nephelometric immunoassay.
- 45. (Withdrawn) The method according to claim 44, wherein said method for immunological determination is a competitive method or a sandwich method.
- 46. (Withdrawn) The method according to claim 42, wherein said denatured lipoprotein is a standard substance for determining denatured lipoprotein in blood or an experimental reagent for investigating the physiological role or the physiological activity of denatured lipoprotein.

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47. (Withdrawn) A method for determining denatured lipoprotein in a sample, comprising:

selecting the stabilized denatured lipoprotein according to claim 35;
reacting the sample with an antibody which binds to the denatured lipoprotein;
measuring the reactivity of the antibody with the sample; and
comparing the reactivity with a calibration curve previously formed from the
denatured lipoprotein.

- 48. (Withdrawn) The method according to claim 47, wherein said determination is immunological determination.
- 49. (Withdrawn) The method according to claim 48, wherein said immunological determination is selected from among radio immunoassay, enzyme immunoassay, fluoroimmunoassay, luminescent immunoassay, agglutination immunoassay, immunonephelometry, and nephelometric immunoassay.
- 50. (Withdrawn) The method according to claim 49, wherein said method for immunological determination is a competitive method or a sandwich method.
- 51. (Withdrawn) The method according to claim 47, wherein said denatured lipoprotein is a standard substance for determining denatured lipoprotein in blood or an experimental reagent for investigating the physiological role or the physiological activity of denatured lipoprotein.
- 52. (Withdrawn) A reagent kit for determining denatured lipoprotein, comprising the denatured lipoprotein according to claim 25 as a standard substance.
- 53. (Withdrawn) A reagent kit for determining denatured lipoprotein, comprising the stabilized denatured lipoprotein according to claim 30 as a standard substance.

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54. (Withdrawn) A reagent kit for determining denatured lipoprotein, comprising the stabilized denatured lipoprotein according to claim 35 as a standard substance.

- 55. (Withdrawn) A reagent kit for determining denatured lipoprotein, comprising a diluting liquid for a sample, a solid phase formed by immobilizing an antibody, a reaction buffer, a washing solution, a labeled secondary antibody, a detecting reagent, and the whole or part of the denatured lipoprotein set forth in claim 25 as a standard substance as component elements.
- 56. (Withdrawn) A reagent kit for determining denatured lipoprotein, comprising a diluting liquid for a sample, a solid phase formed by immobilizing an antibody, a reaction buffer, a washing solution, a labeled secondary antibody, a detecting reagent, and the whole or part of the stabilized denatured lipoprotein set forth in claim 30 as a standard substance as component elements.
- 57. (Withdrawn) A reagent kit for determining denatured lipoprotein, comprising a diluting liquid for a sample, a solid phase formed by immobilizing an antibody, a reaction buffer, a washing solution, a labeled secondary antibody, a detecting reagent, and the whole or part of the stabilized denatured lipoprotein set forth in claim 35 as a standard substance as component elements.
 - 58. (Cancelled)
- 59. (Previously Presented) The method according to claim 27, further comprising, preceding the freezing step, adding an anti-coagulant to the solution containing lipoprotein.

60- 61. (Canceled)

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62. (Previously Presented) The method according to claim 59, wherein the solution containing lipoprotein is plasma.

- 63. (Previously Presented) The method according to claim 27, wherein the solution containing lipoprotein is serum.
- 64. (Previously Presented) The method according to claim 27, wherein the solution containing lipoprotein is anticoagulant-containing plasma.
 - 65. (Cancelled)
- 66. (Previously Presented) A method for producing a stabilized denatured lipoprotein standard, consisting essential of:

freezing a first solution containing lipoprotein to produce a frozen solution of lipoprotein;

melting the frozen solution to produce a melted solution of denatured lipoprotein; mixing a stabilizing agent with the melted solution to produce a second solution; and

freeze-drying the second solution to produce stabilized denatured lipoprotein in powder form.

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67. (Currently Amended) A method for producing a stabilized denatured exidized lipoprotein standard, comprising:

freezing a first solution containing lipoprotein to produce a frozen solution of lipoprotein;

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melting the frozen solution to produce a melted solution of denatured lipoprotein; mixing a stabilizing agent with the melted solution to produce a second solution; and

freeze-drying the second solution to produce a powder containing stabilized denatured oxidized lipoprotein that binds to antibody-DLH3; and

determining an amount of the denatured lipoprotein in the powder wherein the stabilized denature lipoprotein binds to a DLH3 antibody produced by hybridoma cell line FOH1a/DLH3 (Deposit No. FERM BP-7171).